

1 msdsgsqlgs mgsltmksql qitvisaklk enkknwfgps pyvevtvdgq skktekcnnt
 61 nspkwkqplt vivtpvsklh frvwshqtlk sdvllgtaal diyetlksnn mkleevvvtl
 121 qlggdkepte tigdlsicld glqlesevvt ngetcsesa sqnndgsrsk detrvstngs
 181 ddpedagage nrrvsgnnsp slsnggfkps rpprpsrppp ptprrpasvn gspatsesd
 241 gsstgslppt ntntntsega tsgliiplti sggsgprpln pvtqaplpg weqrvdqhgr
 301 vyyvdhvekr ttwdrppeplp pgwerrvdnm griyyvdhft rtttwqrptl esvrnyeqwq
 361 lqrsqlqgam qqfnqrifig nqdlfatsqs kefdplgplp pgwekrtdsn grvyfvnihnt
 421 ritqwedprs qqqlnekplp egwemrftvd gipyfvdhnr rtttyidprt gksaldngpq
 481 iayvrdfkak vqyfrfwcqg lampqhikit vtrktlfeds fqgqimsfspq dlrrrlwvif
 541 pgeegldygg varewfflls hevlnpmycl feyagkdnyc lqinpasyin pdhlyfrfi
 601 grfiamalh gkfidtgfsl pfykrilnk vglkddlesid pefynsliw kennieecdl
 661 emyfsvdkei lgeikshdlk pnggnilvte enkeeyirmv aewrlsrgve eqtqaffegf
 721 neilpqgylq yfdakelevl lcgmqeidln dwqrhaiyrh yartskqimw fwqfvkeidn
 781 ekrmrllqfv tgtcrlpvvg fadlmgsnp qkfciekvgk enwlprsh tcfnrldlppk
 841 syeqlkekll faieetegfg qe (SEQ ID NO:1)

FIG. 1A

1 mgsltmksql qitvisaklk enkknwfgps pyvevtvdgq skktekcnnt nspkwkqplt
 61 vivptpsklc frvwshqtlk sdvllgtagl diyetlksnn mkleevvmtl qlvgdkepte
 121 tmgdlsvcld glqveaeavt ngetscsest tqnndgcctr ddtrvstngs edpevaasge
 181 nkrangnnsp slsnggfkps rpprpsrppp ptprrpasvn gspstnsdsd gsstgslppt
 241 ntnvntstse gatsgliipl tisggsgprp lntvsqaplp pgweqrvdqh grvyyvdhve
 301 krttwdrpep lppgwerrvd nmgriyvdh ftrttwqrpt tlesvrnyeq wqlqrsqlqg
 361 amqfnqrif ygnqdifats qnkefdplgp lppgwekrd sngrvyfvnh ntritqwedp
 421 rsqgqlnekp lpegwemrft vdgipyfvdh nrrattyidp rtgksaldng pqiayvrdfk
 481 akvqyfrfwc qqlampqhik itvtrktlf dsfqgqimsfs pqdlrrrlwv ifpgeegldy
 541 ggwarewffl lshevlnpmy clfeyagkd yclqinpasy inpdhlyfr figrfiamal
 601 fhgkfidtgf slpfykriln kpvgldles idpefynsli wvkennieec glemyfsvdk
 661 eilgeikshd lkpnggnilv teenkeeyir mvaewrlsrg veeqtqaffe gfneilpqgy
 721 lqyfdakele vllcgmqeid lndwqrhaiy rhytrtskqi mwfwqfvkei dnekrmrllq
 781 fvtgtcrlpv ggfadlmgsn gpqkfciekv gkenwlprsh tcfnrldlpp yksyeqlkek
 841 llfaieeteg fgqe (SEQ ID NO:2)

FIG. 1B

1 matcavevfg lledeensri vrvrviagig lakkdilgas dpyrvrtlyd pmngvltsvq
 61 tktikkslnp kwneeilfrv hpqqhrlife vfdenrltrd dflgqvdppl yplptenprl
 121 erpytfkdfv lhprshksrv kgylrlkmtv 1pktsgsedd naeqaeelop gvvldqpda
 181 achlqqqqep splppgweer qdilgrtyyv nhesrrtqwk rptpqdnlt aengniqlqa
 241 qrafttrrqi seetesvdnr essenweiir edeatmysnq afpspppssn ldvpthlaee
 301 lnarlifgn savsqpasss nhssrrgslq aytfeeqptl pvlptssgl ppgweekqde
 361 rgrsyvvdhn srtttwtkpt vqatvetsql tssqssagpq sqastsdsgq qvtqpseieq
 421 gflpkwewr hapngrpffi dhntkttwe dprlkipahl rgktstdtsn dlglppgwe
 481 erthtdgrif yinhnikrtq wedprlenva itgpavpysr dykrkyeffr rklkkqndip
 541 nkfemklrra tvledsyrrri mgvkradflk arlwiefdge kgldyggvar ewffliskem
 601 fnpyyglfey satdnytlqi npnsglcned hlsyfkfigr vagmavyhgk lldgffirpf
 661 ykmmmlhkpit lhdmesvdse yynslrwile ndpteldlrf iideelfgqt hqhelknngs
 721 eivvtnknkk eyiylviqwr fvnriqkqma afkegffeli pqdlikifde nelellmcgl
 781 gdvdvndwre htokykngysa nhqviqwfwk avlmmmdsekr irllqfvgtg svpmngfae
 841 lygsngpqsf tveqwgtppek lprahcfnr ldlppyesfe elwdklqmai entqgfdgvd

(SEQ ID NO:3)

FIG. 2A

1 msgiltsvqt ktikkslnpk wneeilfrvl pqrhrilfev fdenrltrdd flgqvdpoly
 61 plptenprme rpytfkdfvl hprshksrvk gyrlrkmtv pkngsedena dqaeelopgw
 121 vvldqpdaat hlphppepsp lppgweerqd vlgrtyyvnh esrrtqwksp spdddltded
 181 nddmqlqaqr afttrrqise dvdpdnres penweivred enteysgqav qsppsghidv
 241 qthlaeefnt rlavcgnpat sqpvtssnhs srggslqtcfeeqptlpvl lptssglppg
 301 weekqddrgr syyvdhnskt ttwskptmqd dprskipahl rgktdsndlplppgweert
 361 htdgrvffin hnikktqwed prlqnvaity pavpysrdyk rkyeffrrkl kkqtdipnkf
 421 emkllranil edsyrriimgv kradllkarl wiefdgekgl dyggvarewf fliskemfn
 481 yyglfeysat dnytlqinpns gllcnedhls yfkfigrvag mavyhgkll gffirpfykm
 541 mlqklitlhd mesvdseyys slrwilendp teldlrfiild eelfgqthqh elktggseiv
 601 vtnknkkeyi ylviqwfvn riqkqmaafk egffelipqd likifdenel ellmcglgdv
 661 dvndwrehtk ykngysmnhq vihwfwkavw mmdsekrirl lqfvgttsrv pmngfaelyg
 721 sngpqqsftve qwgtpdklpr ahtcfnrlldl ppyesfdelw dklqmaient qgfdgvd

(SEQ ID NO:4)

FIG. 2B

1 magnvkkssg aggggtgsqgs gsggllgmk dafqphhhhh hhlsphppgt vdkkmvekcw
 61 klmdkvvrlc qnplalkns ppyildllpd tyqhlrtils ryegkmetlg eneyfrvfme
 121 nlmkktkqt slfkegkerm yeensqrrn ltklslifsh mlaelkgifp sglfqgdtfr
 181 itkadaaefw rkafgektiv pwksfrqalh evhpissgle amalkstidl tcndyisvfe
 241 fdiftrlfqp wssllrnwns lavthpgyma fltydevkar lqkfihkpgs yifrlsctrl
 301 gqwaigyyta dgnilqtiph nkplfqalid gfregfylfp dgrqnqpdlt glceptpqdh
 361 ikvtqeqyel ycemgstfql ckicaendkd vkiepcghlm ctscltswqe segggcpfcr
 421 ceikgtepiv vdpfdprgsg sllrqgaega pspnyddddd eraddtlfmm kelagakver
 481 ppppfsmapq aslppvvprl dllpqrvcvp ssasalgtas kaasgslhkd kplpvpptr
 541 dlppppppdr pysvgae srp qrplpctpg dcpsrdklpp vpssrlgdsw lprpipkpv
 601 sapsssdpwt greltnrhsl pfslpsqme rpdvprlgst fsldtsmsmn ssplvgpecd
 661 hpkikpsssa naiyslaarp lppvklppge qcegeedtey mtpssrplrp ldtsqssrac
 721 dc当地idcye amytiqsq apsitesstf gegrnlaaha ntgeesene ddgydvpkpp
 781 vpavlarrtl sdisnasssf gwlsldgdpt tnvtegsqvp erppkpfprr inserkagsc
 841 qgqsgpaasa ataspqlsse ienlmsqgys yqdiqkalvi aqnniemakn ilrefvsiss
 901 pahvat (SEQ ID NO:5)

FIG. 3A

1 magnvkkssg aggggsggsg aggliglmkd afqphhhhh lphppctvd kkmvekcwkl
 61 mdkvvcqpn pnvalknsp yldllpdty qhlrtvlsry egkmetlgen eyfrvfmenl
 121 mkkktqtlsl fkegkerm yeensqrrnlt klsliifshml aelkgifpsg lfqgdtfr
 181 kadaaefwrk afgektivpw ksfrqalhev hpissgleam alkstidl tcndyisvfe
 241 iftrlfqpws sllrnwnsla vthpgymafl tydevkarlq kfihkpgsyi frlsctrlgq
 301 waigyytadg nilqtiphnk plfqalidgf regfylfpdg rnqnpdltgl ceptpqdhik
 361 vtqicaendk dvkiepcghl mctscltswq esegggcpfc rceikgtepvi vvdpfprgs
 421 gsllrqgaeg apspnyddddd deraddslfm mkelagakve rpsspfsmap qas1ppvppr
 481 ldllqrapv pastsvlgta skaasgslhk dkplpipptl rdlppppppd rpysvgae
 541 pqrrlpctp dcpsrdklp pvpssrpgds wlsrtipkvp vatpnpgdpw ngreltnrhs
 601 lpfslpsqme pradvprlgs tfsltdtsmtm nsspvagpes ehpkikpss anaiyslaar
 661 plpmpkllppg eqgeeseedte ymtptsrpvg vqkpepkppl eatqssracd cdqqidc
 721 eamytqiqsa lsavaensasg egnlatahts tgpeesened dgydvpkppv pavlarrtls
 781 disnasssf wlsldgdptn fnegsqvper ppkpfprrin serkassyqq gggatanpva
 841 tapspqlsse ierlmsqgys yqdiqkalvi ahnniemakn ilrefvsiss pahvat
 (SEQ ID NO:6)

FIG. 3B

1 mansmngrnp ggrgggnprkg rilgiidaiq davgppkqaa adrrtvektw klmdkvvr1c
 61 qnpklqlkns ppyildilp tyqhlrlils kyddnqklaq lseneyfkiy idslmkkskr
 121 airlfkegke rmyeeqsqdr rnltklsif shmlaeikai fpngqfqgdn fritkadaae
 181 fwrkffgdkt ivpkvfrqc lhevhqisss teamalksti dltcndyisv fefdiftrlf
 241 qpwgslrnw nflavthpgy maflydevk arlkystkp gsyifrlsct rlgqwaigyy
 301 tgdgnilqti phnkplfqal idgsregfyl ypdgrsynpd ltglceptph dhikvtqeqy
 361 elycemgstf qlckicaend kdvkiepcgh lmctsclaw qesdgqgcpf crceikgtep
 421 iivdpfdprd egsrccsiid pfgmpmldld ddddreeslm mnrlanvrkc tdrqnsrvts
 481 pgssplaqrk kpqpdplqip hls1ppvppr ldliqkgivr spcgsptgsp ksspcmvrkq
 541 dkplpapppp lrdpppppe rpppippdn rsrhiihves vpsrdppmpl eawcprdvfg
 601 tnqlvgcrl1 gegspkpgit assnvngrhs rvgsdpv1mr khrrhdp1ple gakvfsngh1
 661 gseeydvppr lsppppvttl lpsikctgpl anslsektrd pveedddeyk ipsshpv1n
 721 sqpshchnvk ppvrscdngh cmlngthgps sekksnipdl siylkgdvd1 sasdpvplpp
 781 arpptrdnpk hgssl1rtps dyd1lipplg edafdalpps lppppppparh sliehskppg
 841 sssrpssggd lfllpsdpfv dlasgqvplp parr1pgenv ktnrtsqdyd qlpscsdgsq
 901 aparppkprp rrtapeihhr kphgpeaale nvdakiaklm gegyafeevk raleiaqnnv
 961 evarsilref afpppvsprl nl (SEQ ID NO:7)

FIG. 4A

1 mctsclawq esdgqgcpfc rceikgtep1 ivdpfdprde gsrrccsiidp fsipmldld
 61 dddreeslmm nrlasvrkct drqnsrvtsq gssplaqrk pcpdplqiph lslppvppr1
 121 dliqkgivrs pcgsptgspk sspcmvrkqd kplpapppp1 rdppppperp ppippdnrls
 181 rhfhhgesvp srdqpmplea wcprrd1afgt1 qvmgcrilgd gspkpgvtan sslngrhsrm
 241 gseqv1mrkh rrhd1psega kf1sng1lat eeydvpprls ppppvt11p sikctgplan
 301 c1sektrdtv eddddey1kip sshpv1nsq pshch1nvkap vrscdnghci lnghgapse
 361 mkk1snipdl1g iylkgedaf1d alppslppp1 pparhs1ieh skppgsssrp ssgqdlf11p
 421 sdppfdptsg qvplpparra agdsgkanra sqdydqlpss sdgsqaparp pkprprrtap
 481 eihhrkphgp eaalenvdak iaklmgegya feevkralei aqnnvevars ilrefafppp
 541 vsprlnl (SEQ ID NO:8)

FIG. 4B

1 malavapwgr qweearalgr avrmlqrlee qcvdprlsvs ppslrdllpr taqlrevah
61 srraaggggp ggpqgsgdf1 liylianleak srqvaallpp rgrrsandel fragsrlrrq
121 laklaiifsh mhaelhalfp ggkycghmyq ltkapahtfw rescgarcvl pwaefesllg
181 tchpvepgct alalrttidl tcsghvsife fdvftrlfqp wptllknwql lavthpgyma
241 fltydevqer lqacrdkpgs yifrpsctrl gqwaigvss dgsilqtipa nkplsqvile
301 gqkdgfylp dgkthnpdlt elgqaepqqr ihvseeqlql ywamdstfel ckicaesnkd
361 vkiepcghll cscclaaawqh sdsqtcpfcr ceikgweavs iyqfyggata edsgnssdqe
421 grelelgqvp lsapplppr dlpprkrpna qpkvrlkgn sppaalgpqd papa

(SEQ ID NO:9)

FIG. 5A

1 maaaaaprgw qrgepralsr avkllqrlee qcrdprmvtg ppslrdllpr taqlgevak
61 arrearedpe gpggaddfla iylanlevkg rqvaellppr gkkdvnqdvf regsrfrql
121 aklalifshm haelsalfpa gkycghlyql tkgsahifwr qncgvrcvlp waefqsl1ca
181 chpvepgptm qalrstldlt cnghvsvfef dvftrlfqpw ptllrnwql1 avnhpgymaf
241 ltydevqtrl qayrdkpgsy ifrpsctrlg qwaigvssd gsilqtipln kpl1qv11kg
301 qkdgif1fpd gkkhnpdltc lcrvepyqri qvseeqlly qamnstfqlc kicaerdkdv
361 riepcghllc scclsawqds dsqtcpfcrc eikgreavsi cqaqerptev rtaadgsrdn
421 chqeeaeqkl gpvipsaps1 lpedqfpqgp qdkgwltlap lalprlrppl plpkmasvlw
481 evtsrprare eatess (SEQ ID NO:10)

FIG. 5B

1 mgpppgagvs crggcgsrl lawcflals pqapgsrgae avwtaylnvs wrvphtgvnr
61 tvwelseegv yggdsplepv agvlvppdgp galnacnph nftvptvwgs tvqvswlali
121 qrgggctfad kihlayerga sgavifnfpq trnevpmsh pgavdivaim ignlkgtkil
181 qsiqrgiqvt mvievgkkhg pwnhysiff vsvsffiita atvgyfifys arrlrnaraq
241 srkqrqlkad akkaigrlql rtkqgdkei gpdgdscavc ielykpnndl v riltcnhifh
301 ktcvdpwlle hrtcpmckcd ilkalgiev vedgsvslqv pvsneinsa ssheednrse
361 tassgyasvq gtdeappleh vqstneslql vnheansvav dviphvdnpt feedetpnqe
421 tavreiks (SEQ ID NO:11)

FIG. 6A

1 mgpppigvy crggcgaarl lawcflals phapgsrgae avwtaylnvs wrvphtgvnr
61 tvwelseegv yggdsplepv sgvlvppdgp galnacnph nftvptvwgs tvqvswlali
121 qrggsctfad nihlaserga sgavifnfpq trnevpmsh pgagdivaim ignlkgtkil
181 qsiqrgiqvt mvievgkkhg pwnhysiff vsvsffiita atvgyfifys arrlrnaraq
241 srkqrqlkad akkaigklql rtkqgdkei gpdgdscavc ielykpnndl v riltcnhifh
301 ktcvdpwlle hrtcpmckcd ilkalgiev vedgsvslqv pvsneasnta spheedsrse
361 tassgyasvq gadappleh aqsanenlql vnheansvav dvvphvdnpt feedetpdqe
421 aavreiks (SEQ ID NO:12)

FIG. 6B

5 1 magaaspca gcpqgapsda evlhlcrsle vgtvmtlfys kksqrperkt fqvkletqrq
 61 twsrgadkie gaidireike irpgktsrdf dryqedpafr pdqshcfvil ygmefrlktl
 121 slqatsedev nmwikgltwl medtlqaptp lqierwlrkq fysvdrnred risakdlknm
 181 lsqvnryvpn mrflrerltd leqrsgdity gqfaqlyrsi mysaqkmdl pfleastlra
 241 gerpelcrvs lpefqfqflld yqgelwavdr lqvqefmlsf lrdplreiee pyffldefvt
 301 flfskensvw nsqldavcpd tmmnplshyw issshntylt gdqfssessl eayarclrmg
 361 crcieldcwd gpdgmpviy ghtlttkikf sdvlhtikeh afvaseypvi lsiedhcsia
 421 qqrnmaqyfk kvlgtlltk pveisadglp spnqlkrkil ikhkklaegs ayeevptsomm
 481 ysendisnsi kngilyledp vnhewphyf vtsskiyys eetssdqgnne deeepkevss
 541 stelhsnekw fhgklgagrd grhiaerllt eycietgapd gsflvreset fvgdytlfw
 601 rmgkvqhcry hsrqdagtpk ffltdnlvfd slyd lithyq qvplrcnefe mrlsepvpqt
 661 naheskewyh asltraqaeah mlmrprgdga flvrkrnepn syaisfraeg kikhcrvqge
 721 gqtvmlgnse fdslvdliy yekhplyrkm klrypineea lekigtaepd ygalyegrnp
 781 gfyveanpmp tfkcavkalf dykaqredel tfiksaiqn veqeggwrr gdyggkkqlw
 841 fpxnyveemv npvalepere hldensplgd llrgvldvpa cqairpekg nnrlfvfsis
 901 masvahwsld vaadsqeelq dwvkkireva qtadarlteg kimerrkkia lelselvvyc
 961 rpvpfdeeki gteracyrdm ssfpetkaek yvnakgkkf lqynrlqlsr iypkgqrlds
 1021 snydplpmwi cgsqqlvalnf qtpdkpmqmn qalfmtgrhc gyvlqpstmr
 deafdpfdks
 1081 slrglepcal sievlgarhl pkngngivcp fveievagae ydstkqktes
 vvdnglnpvw
 1141 pakpfhfqis npefaflrfv vyeedmfdsq nflaqatfpv kglktgyrav
 plknnyesdl
 1201 elasllikid ifpakqengd lspfsgtslr ergsdasgql fhgraregsf
 esryqqpfed
 1261 frisqehlad hfdssrrrap rrtrvngdn 1 (SEQ ID NO:13)

FIG. 7A

1 mefrlktlsl qatsedevnm wikgltwlme dtlqaatplq ierwlrkqfy svdrnredri
 61 sakdlknmls qvnyrvpnmr flrerltdle qrsgdityqq faqlyrsi mysaqkmdl
 121 letnalrtge rpehcqvsis efqqflleyq gelwavdrq vqefmlsflr dplreieepy
 181 fflidelvtfl fskensvwns qldavcpdtm nnplshyw issshntyltd qfsessle
 241 yarclrmgr cieldcwdgq dgmpviygh tlttkikfsl vltihaf vaseypvils
 301 iedhcsiaqq rnmaqfrkv lgdtlltkpv diaadglpsp nqlrrkilik hkklaegs
 361 eevptsvmys endisnsikn gilyledpvn hewphyfvl tsskiyys see tssdqgnede
 421 eepkeassst elhssekwfh gklgagrdgr hiaerlltey cietgapdgs flvresetfv
 481 gdytlfswrn gkvqhcrys rrdagtpkff ltdnlvfdsl ydlithyqgq plrcnefemr
 541 lsepvpqtta heskewyhas ltrqaehml mrvprdgaf1 vrkrnepnsy aisfraegki
 601 khcrvqgeqg tvmlgnsefd slvdliyee khplyrkmkl rypineeaale kigtaepdyg
 661 alyegrnpqf yveanpmpf kavalklfy kaqredeflt tksaiqnve kqdgwwrgd
 721 yggkkqlwfp snyveemip avleperehl densplgd11 rgvldvpacq iairpegknn
 781 rlfvfsismp svaqwsldva adsqeelqdw vkkirevaqt adarltegkm merrkkiale
 841 lselvvycrp vpfdeekigt eracyrdmss fpetkaekyv nkakgkkflq ynrlqlsriy
 901 pkqqlldssn ydplpmwicg sqlvalnfqt pdkpmqmnqa lfmagghcgy vlqpstmrde
 961 afdpfdkssl rglepcvici evlgarhlpk ngrgivcpv eievagae yd stkqktes
 1021 dnglnpvwpa kpfhfqisnp efaflrfvvy eedmfdsqnf laqatfpvkg
 1ktgyravpl
 1081 knnyesdl asllikidif pakengdlsp fsgislrera sdassqlfhv
 raregsfear
 1141 yqqpfedfri sqehladhfd srerraprrt rvngdn 1 (SEQ ID NO:14)

FIG. 7B

1 mspflrigls nfdcgscqsc qgeavnpyca vlvkeyvese ngqmyiqkqp tmyppwdstf
 61 dahinkgrvm qivkgknvd lisettvely slaercrknn gkteiwlelk pqgrmlmnar
 121 yflemsdtkd mnefetegff alhqrrgaik qakvhhvckch eftatffpqp tfcsvchefv
 181 wglnkqgyqc rqcnaaihkk cidkviakct gsainsretm fhkerfkidm phrfkvynyk
 241 sptfcehcgt llwglarqgl kcdacgmnvh hrcqtkvanl cginqklmae alamiestqq
 301 arclrdteqi freqpveigl pcsiknearp pclptpgkre ppgiswespl devdkmchlp
 361 epelnkerps lqiklkiedf ilhkmlgkgs fgkvflaefk rtnqffaika lkkdvvlmdd
 421 dvectmvekr vlslawehpf lthmfctfqtnenlffvmey lnggdlmyhi qschkfdlsr
 481 atfyaaeiil glqflhskgi vyrdlkldni lldkdghiki adfgmckenm lgdaktntfc
 541 gtpdyiapei llgqkynhsv dwwsfgvly emligqspfh gqdeeelfhs irmdnpfypr
 601 wlereakdll vklfvrepekk rlgvrgdirq hplfreinwe elerkeidpp frpkvkspfd
 661 csnfdkefln ekprlsfadr alinsmdqnm frnfsfmnpq merlis (SEQ ID
 NO:15)

FIG. 8A

1 mspflrigls nfdcgtcqac qgeavnpyca vlvkeyvese ngqmyiqkqp tmyppwdstf
 61 dahinkgrvm qivkgknvd lisettvely slaercrknn grteiwlelk pqgrmlmnar
 121 yflemsdtkd msefenegff alhqrrgaik qakvhhvckch eftatffpqp tfcsvchefv
 181 wglnkqgyqc rqcnaaihkk cidkviakct gsainsretm fhkerfkidm phrfkvynyk
 241 sptfcehcgt llwglarqgl kcdacgmnvh hrcqtkvanl cginqklmae alamiestqq
 301 ars1rdsehi freqpveigl pcstkntrp pcvptpgkre ppgiswdspl dgsnksagpp
 361 epevsmrrts lqlklkiddf ilhkmlgkgs fgkvflaefk rtnqffaika lkkdvvlmdd
 421 dvectmvekr vlslawehpf lthmfctfqtnenlffvmey lnggdlmyhi qschkfdlsr
 481 atfyaaevil glqflhskgi vyrdlkldni lldrdghiki adfgmckenm lgdaktntfc
 541 gtpdyiapei llgqkynhsv dwwsfgvly emligqspfh gqdeeelfhs irmdnpfypr
 601 wlereakdll vklfvrepekk rlgvrgdirq hplfreinwe elerkeidpp frpkvkspfd
 661 csnfdkefls ekprlsfadr alinsmdqnm fsnfsfinpg metlics (SEQ ID
 NO:16)

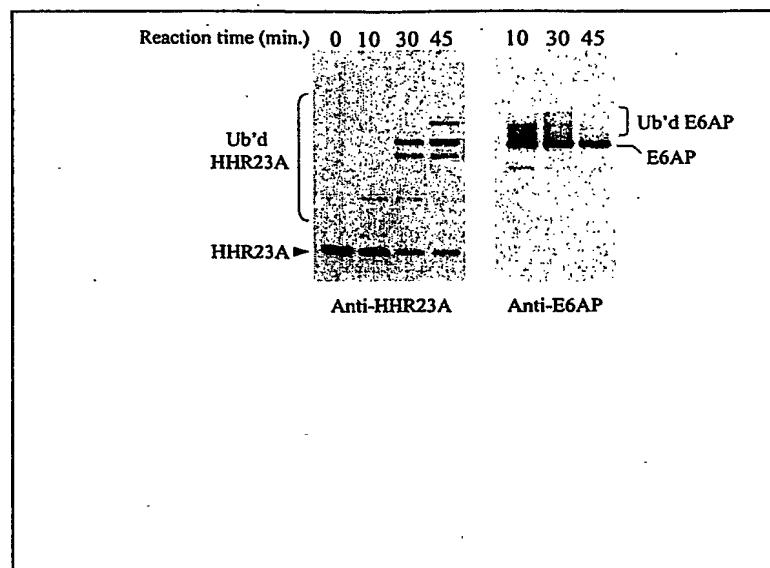
FIG. 8B

1 mmaaeagsee ggpvttagagg ggaaagssay pavcrvkipta alpvaaapyp glvetgvagt
 61 lgggaalgse flgagsvaga lggagltggg taagvagaaa gvagaavagp sgdmaltklp
 121 tsllaetlgp gggfplppp pylpplgagl gtvdegsld gpeyeeeava ipltapptnq
 181 wyhgkldrti aeerlrqagk sgsyliresd rrpgrsfvlsf lsqmnvhf rriamcgdy
 241 iggrfssls dligyyshvs cllkgeklly pvalpped rrrvrailpy tkvpdtdeis
 301 flkgdmfivh neledgwmwv tnllrtdeqgl ivedlveevg reedphegki wfhgkiskqe
 361 aynllmtvgq vcsflvrpsd ntpgdyslyf rtneniqrk icptpnqfm mggryynsig
 421 diidhydrkeq ivedyylkep vpmqdqeqvl ndtvdgkeiy ntirrktkda fyknivkkgy
 481 llkkgkgkrw knlyfilegs daqliyfese kratkpkigli dlsvcsvyvv hdslfgrpnc
 541 fqivvqhfse ehyifyfage tpeqaedwmk glqafcnlrk sspgtsnkrl rqvsslvhi
 601 eeahk1pvkh ftncpycniyl nsvqvaktha regqnpvwse efvfddlpd inrfeitlsn
 661 ktkkskdpdi lfmrcqlsrl qkghatdewf llsshiplkg iepgslrvra rysmekimpe
 721 eeysefkeli lqkelhvvyt lshvcgqdr t llasillrif lhekleslll ctln dreism
 781 edeattlfra ttlastlmeq ymkatatqfv hhalldsilc imeskqscel spslekned
 841 vntnlthlln ilselvekif maseilpptl ryiygclqks vqhkwpnttt mrtrvvsgfv
 901 flrllicpail nprmfniisd spspiaartl ilvaksvqnl anlvefgake pymegvnpfi
 961 ksnkhrmimf ldelgnvpel pdttehsrtd lsrdlaalhe icvahsdelr tlsnergaqq
 1021 hvlkkllait ellqqkqny tktndvr (SEQ ID NO:17)

FIG. 9A

1 mcgdyyiggr rfsslsdliq yyshvscblk gekllypvap pepvedrrrv railpytkvp
 61 dtdeisflkg dmfivhnele dgwmwvtnlr tdeqglived lveevgreed phegkiwfhg
 121 kiskqeaynl lmtvgqvcnf lvrpsdntpg dyslyfrtne niqrkicpt pnnqfmmggr
 181 ynsigdiid hyrkeqiveg yylkepvpmq dqqqvlndtv dgkeiyntir rktkdafykn
 241 ivkkgylkk gkgkrwnly filegsdaql iyfesekrat kpklidlsv csvyvvhds
 301 fgrncfqiv vqhfseehyi fyfageteq aedwmkgqa fcslrksspg tsnkrlrqvs
 361 slvhieeah klpvkhtnp ycnilylnsvq vaktharegg npvwseefvf ddldpdinrf
 421 eitlsnktkk skdpdilfmr cqlsrlqkgh atdewflss hiplkgiepg slrvrarysm
 481 ekimpeeyes efkelilqke lhvvyalshv cgqdrllas illkiflhek leslllctln
 541 dreismedea ttlfrattla stlmeqymka tatqfvhhal kdsilkimes kqscelspsk
 601 leknedvntn lahllsilse lvekifmase ilpptlryiy gclqksvqhk wptnintmrtr
 661 vsgfvflrl icpailnprm fniisdspsp iaarttlva ksvqnlalnv efgakepyme
 721 gvnpfiksng hrmimfddel gnvpelpdt ehsrtlrsd laalheicva hsdelrtlsn
 781 ergvqqhvlk kllaitellq qkqnqytkttn dir (SEQ ID NO:18)

FIG. 9B



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FIG. 10

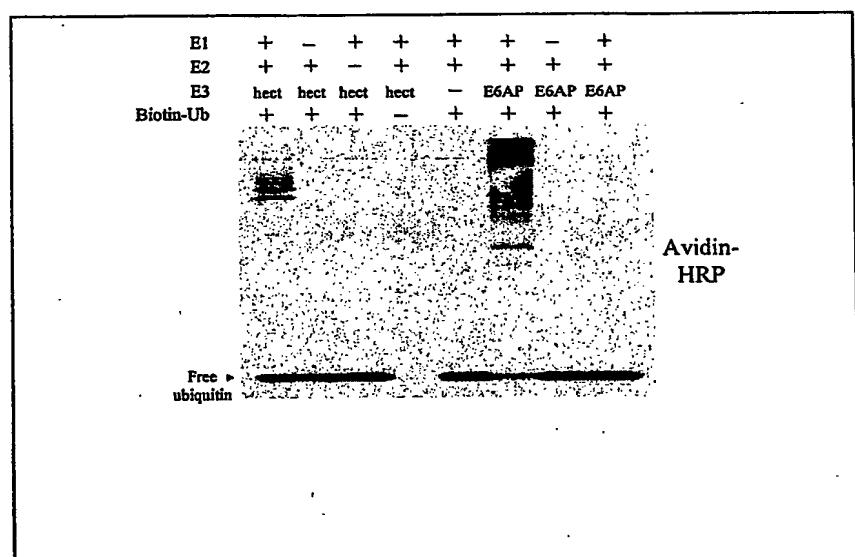


FIG. 11

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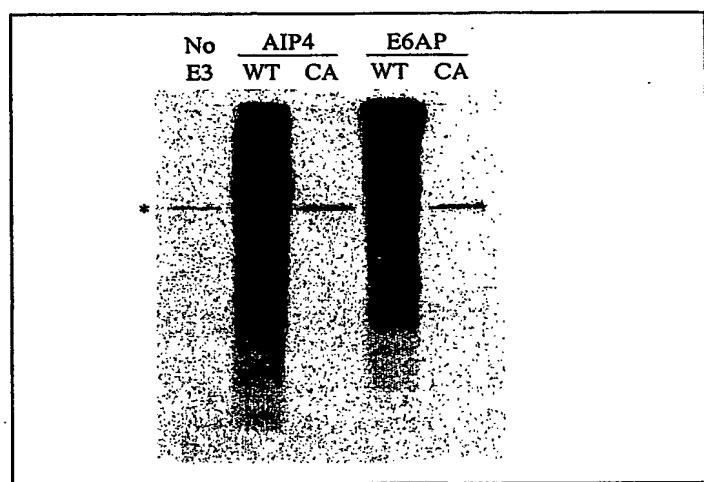


FIG. 12

BEST AVAILABLE COPY

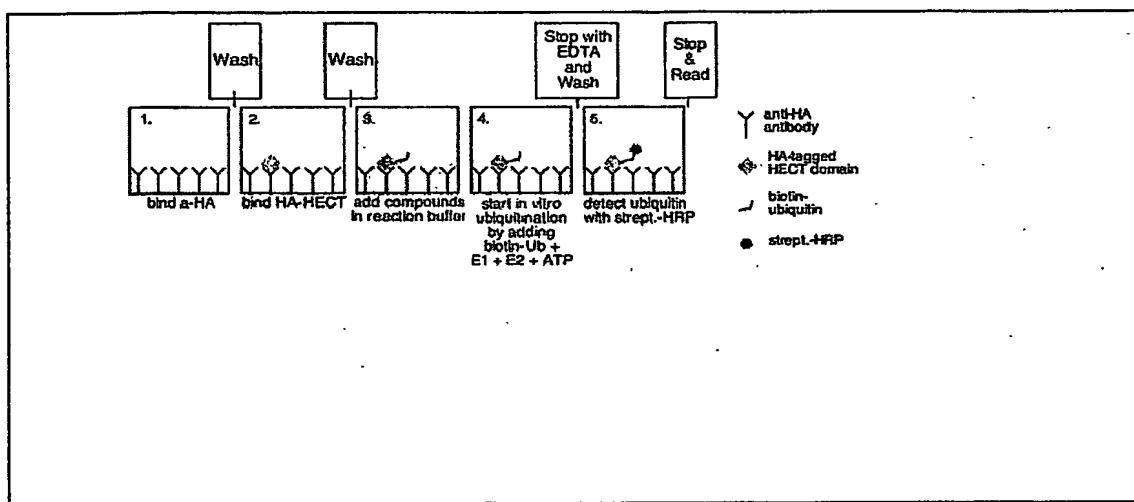


Fig. 13

Fig. 14A

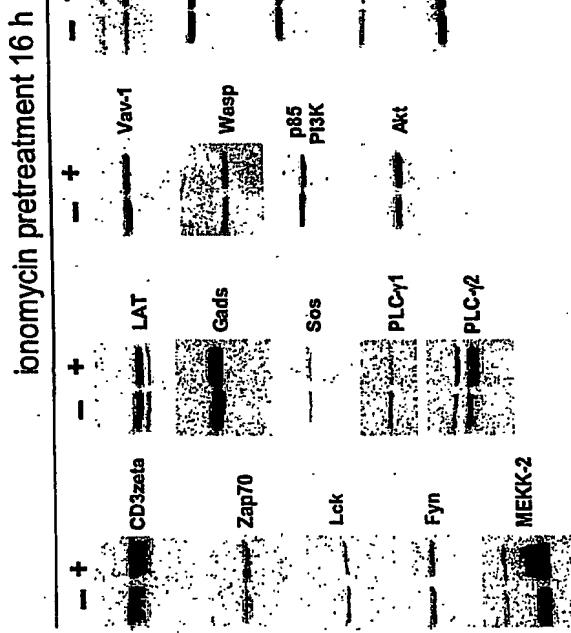


Fig. 14B

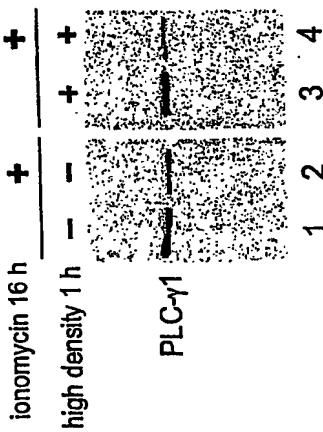


Fig. 15A

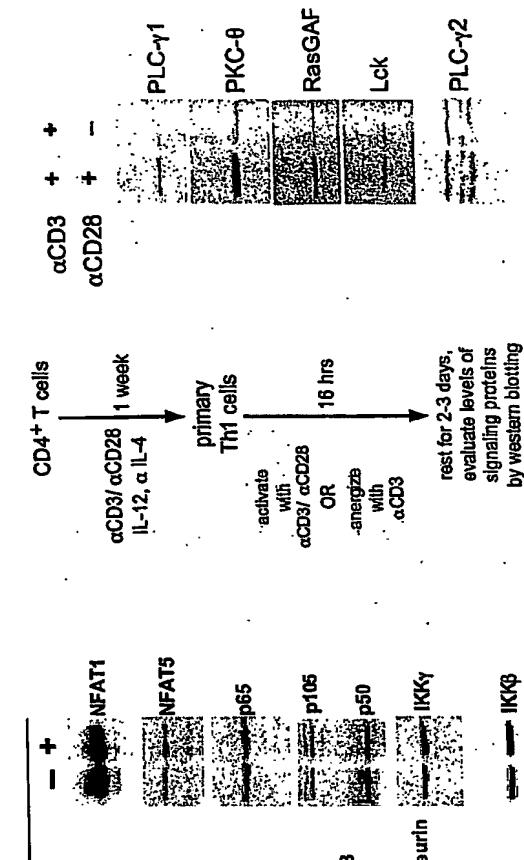


Fig. 14D

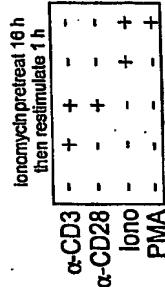
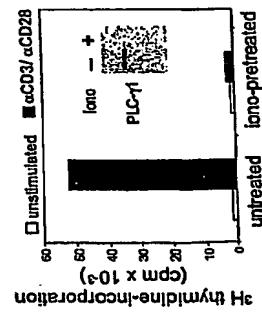


Fig. 14C

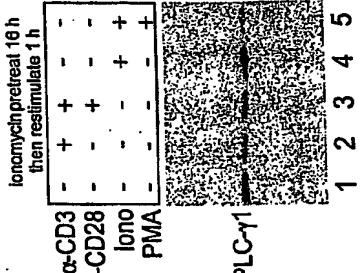


Fig. 14D

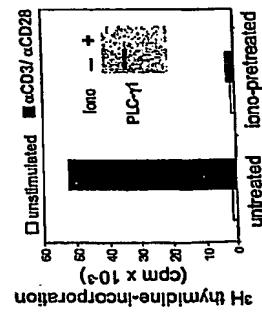
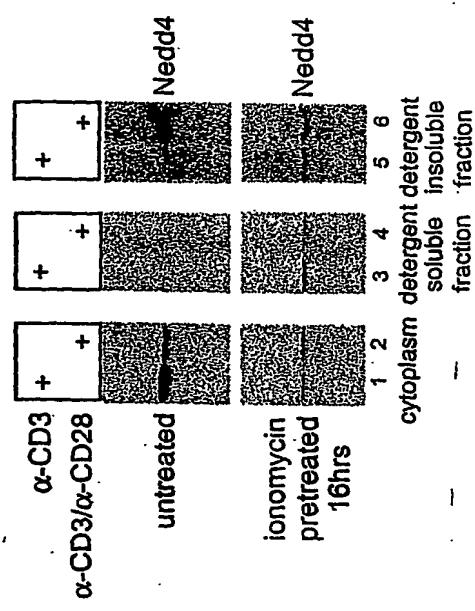


Fig. 15B



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Fig. 16A
Fig. 21

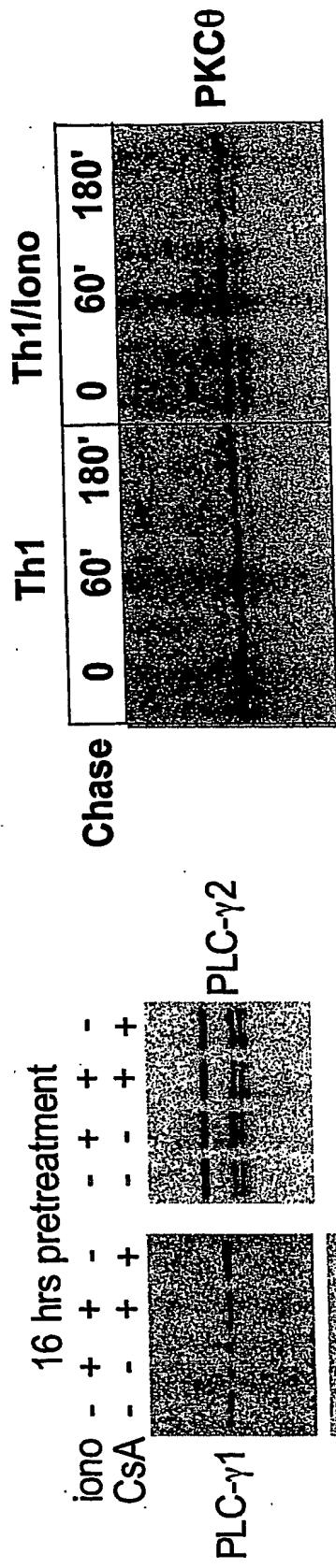
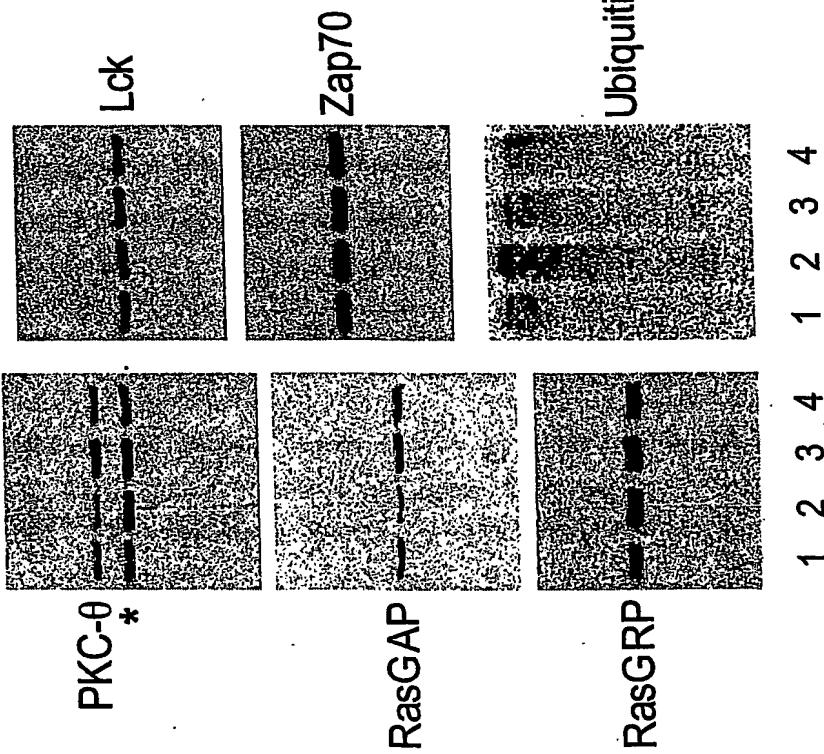
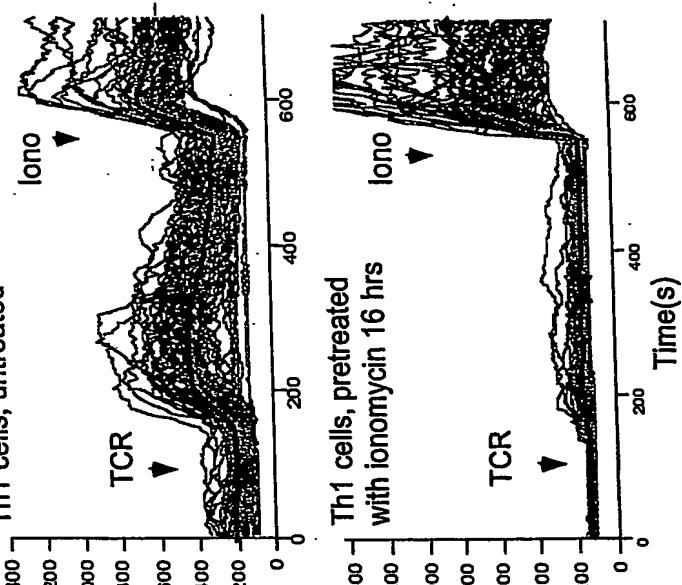


Fig. 14E



E : Th1 cells untreated



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Fig. 16B

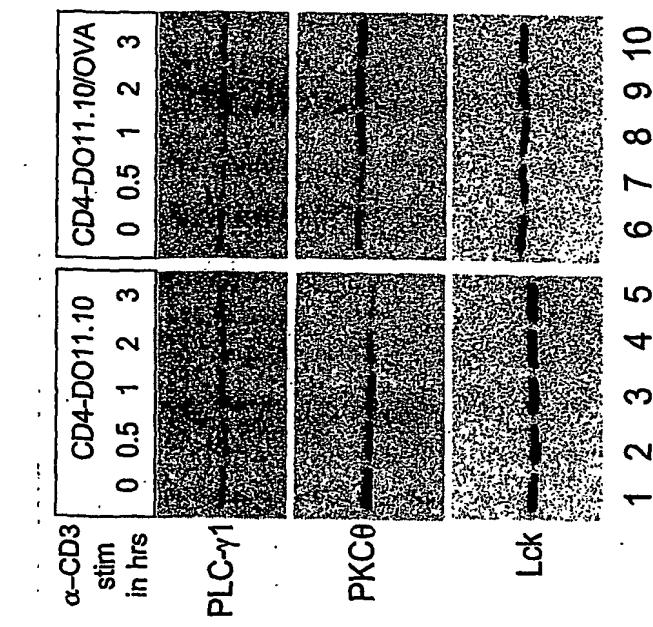


Fig. 16D

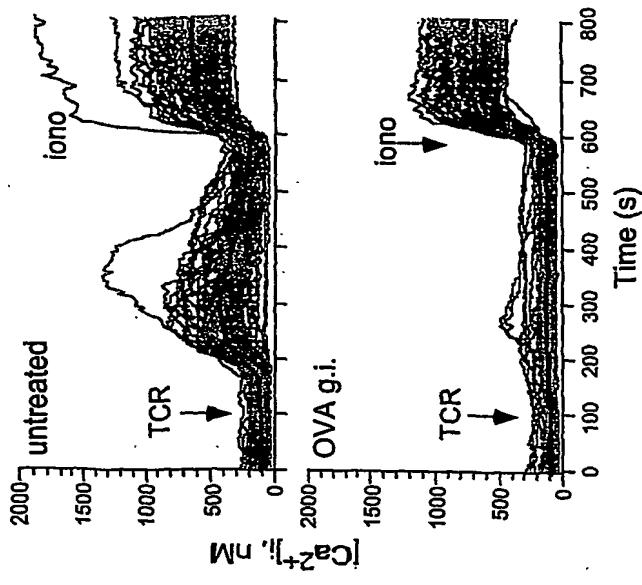
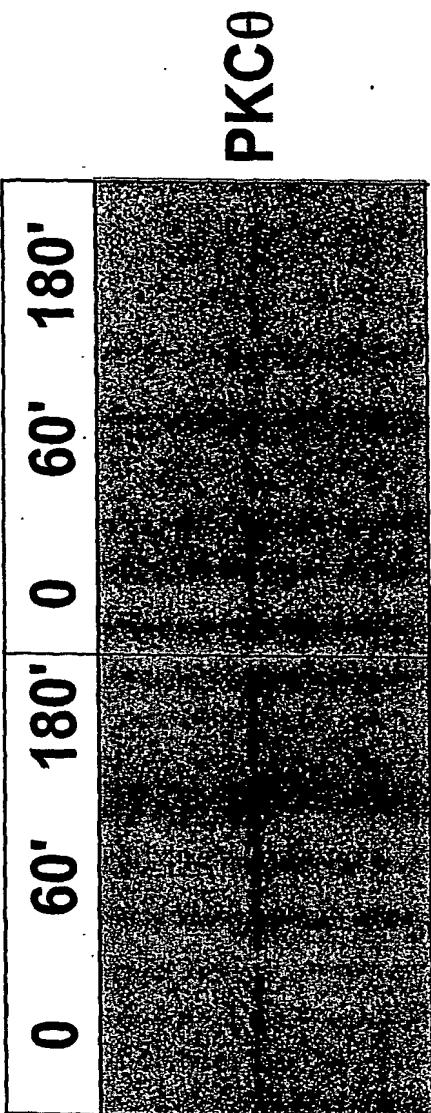


Fig. 16C

DO11.10 DO11.10/OVA



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Fig. 15D

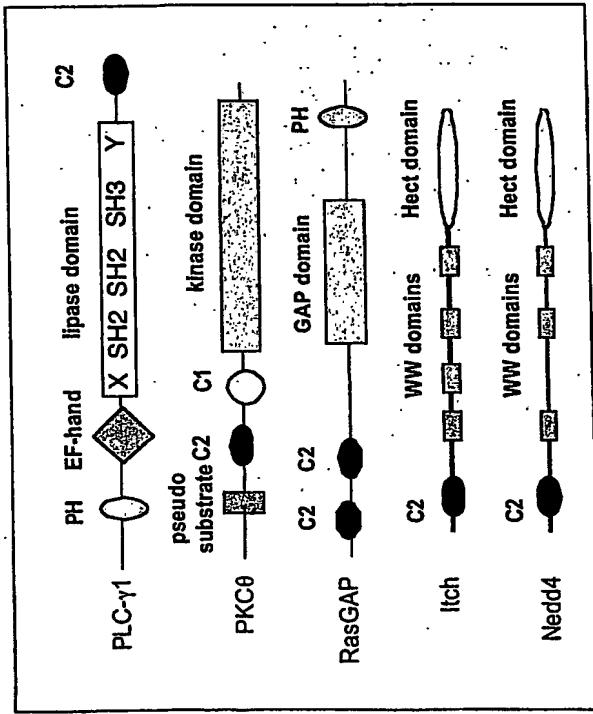
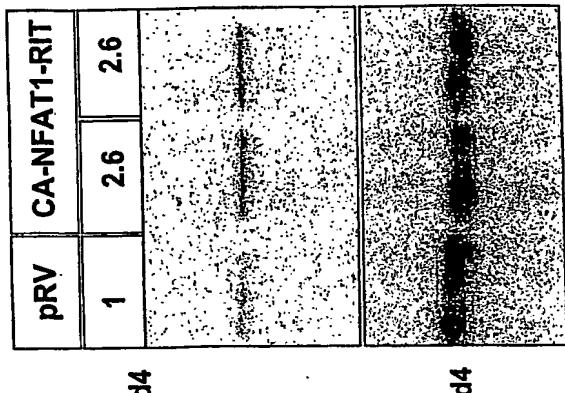
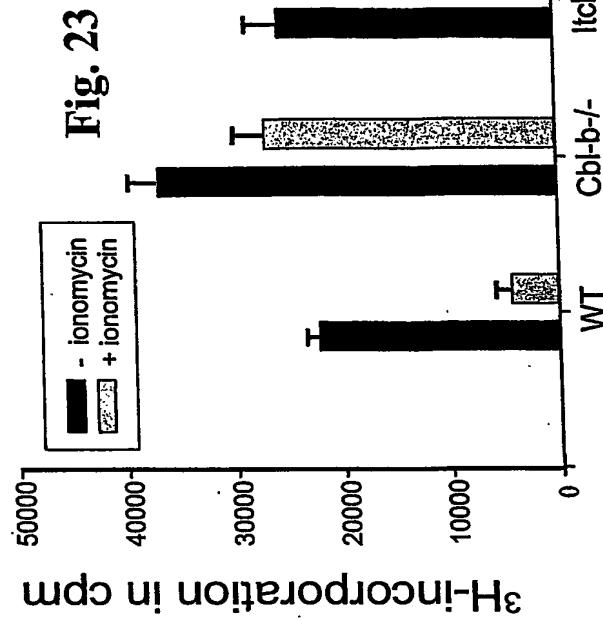


Fig. 17A

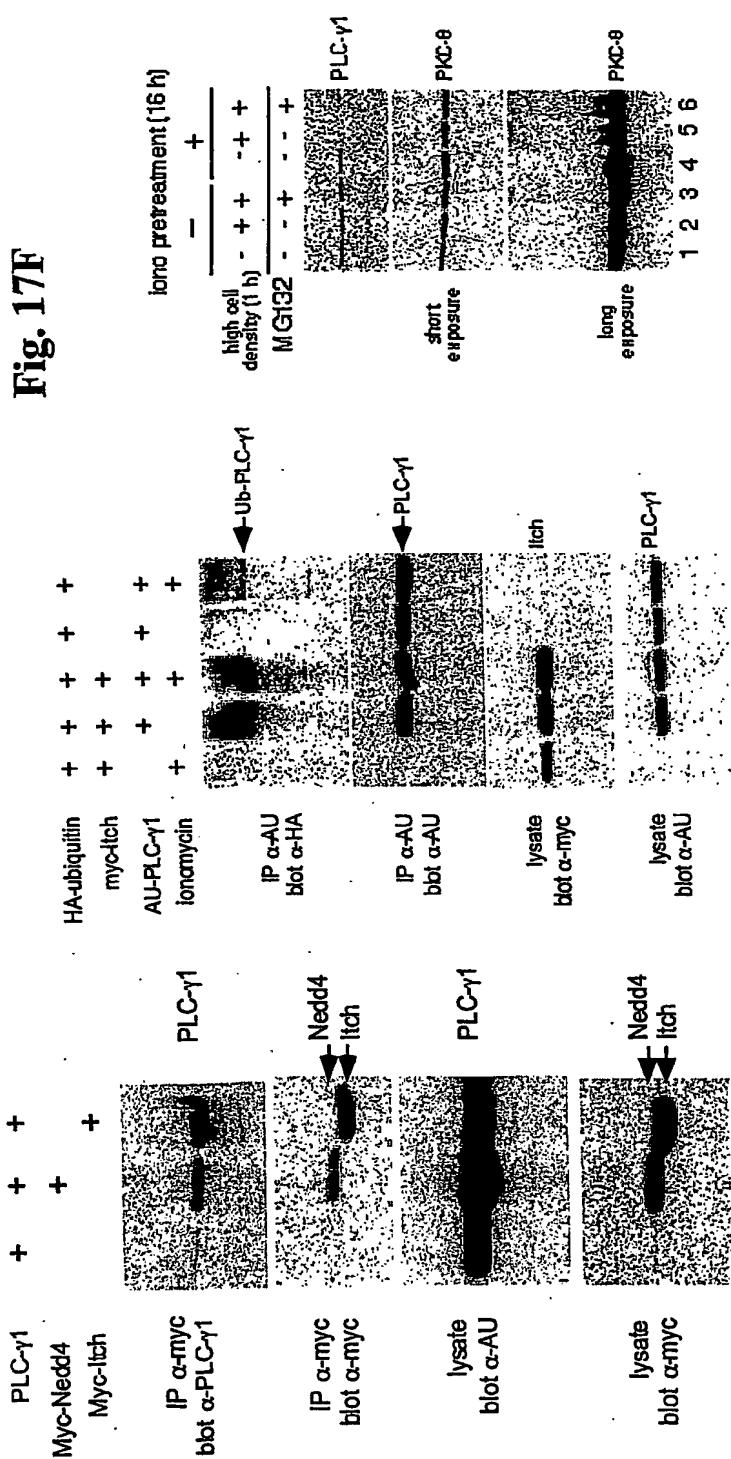


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Fig. 17B

Fig. 17C

Fig. 17E



BEST AVAILABLE COPY

Fig. 17D

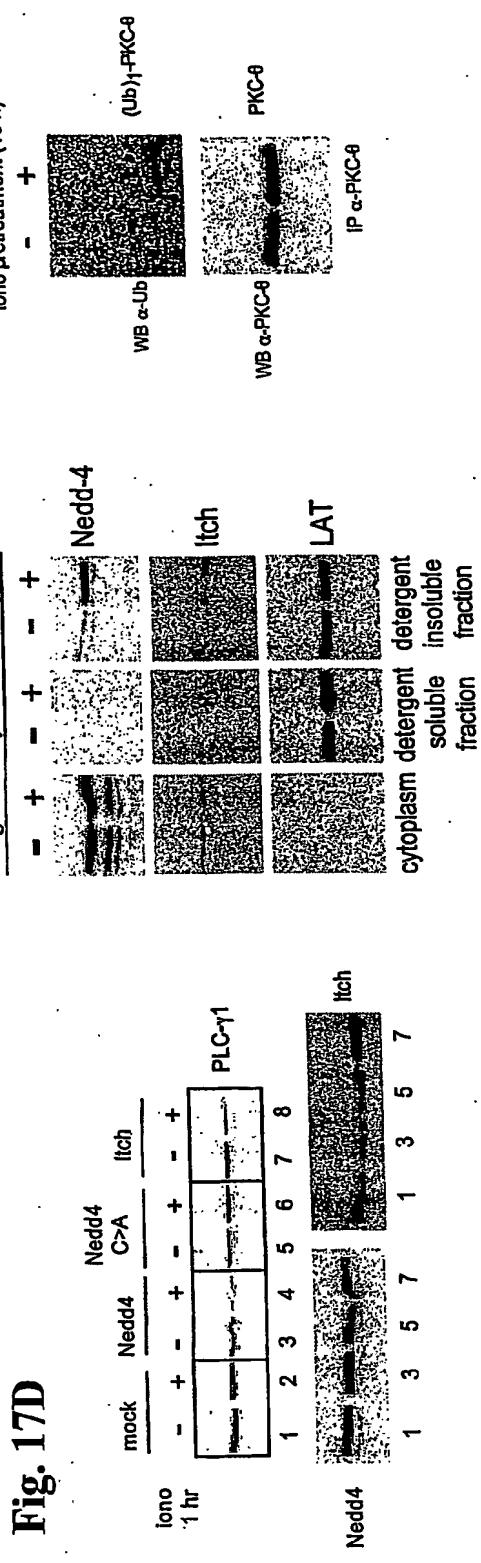


Fig. 17E *innomvcin16h* **Fig. 17G**

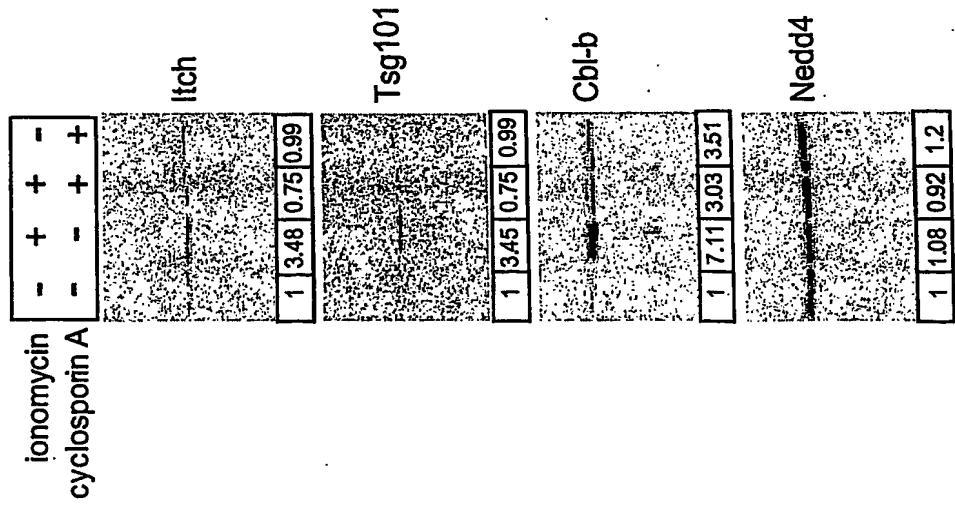
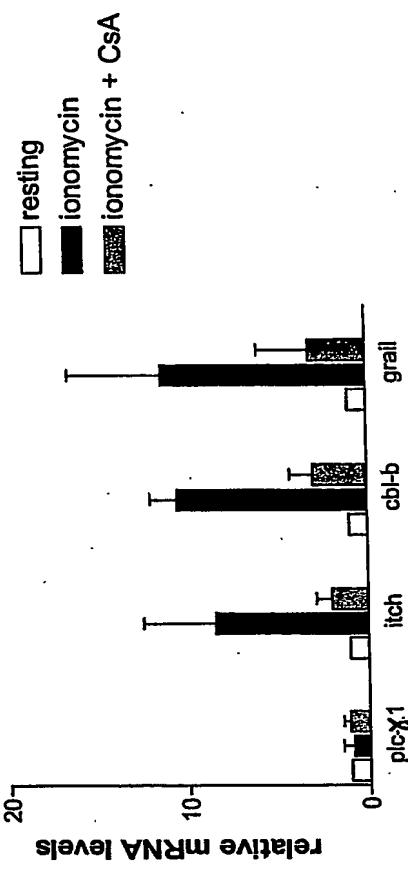
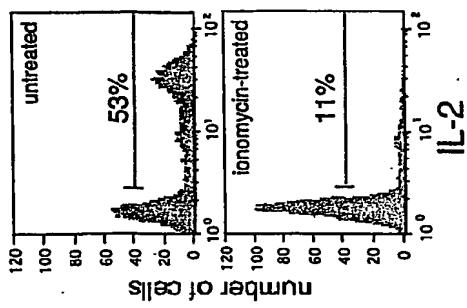
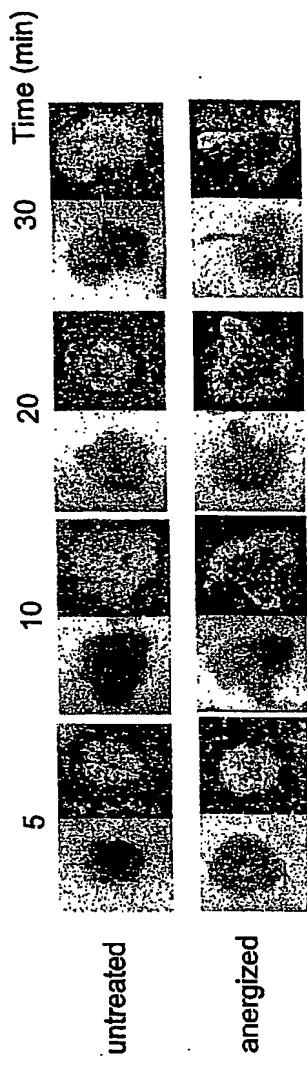
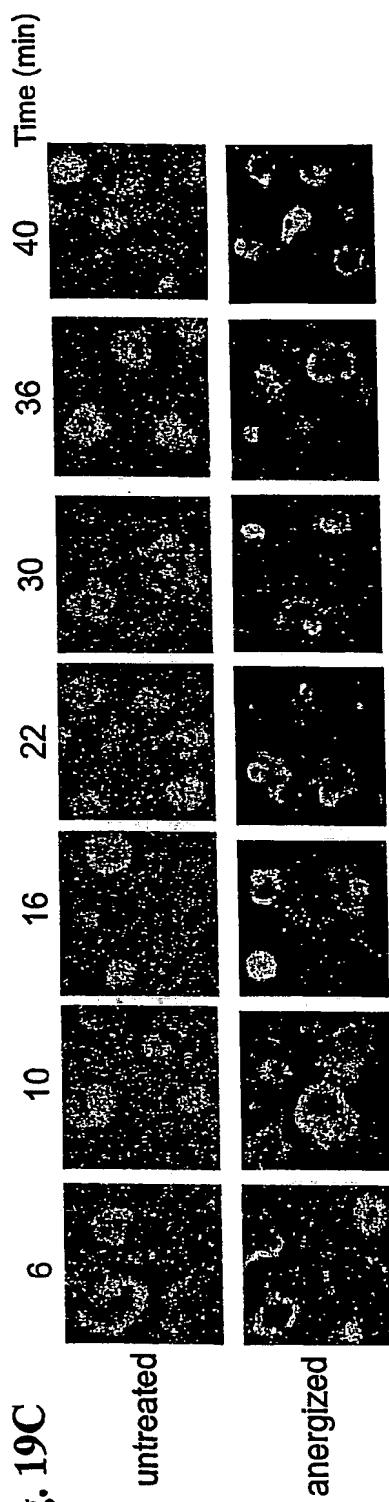
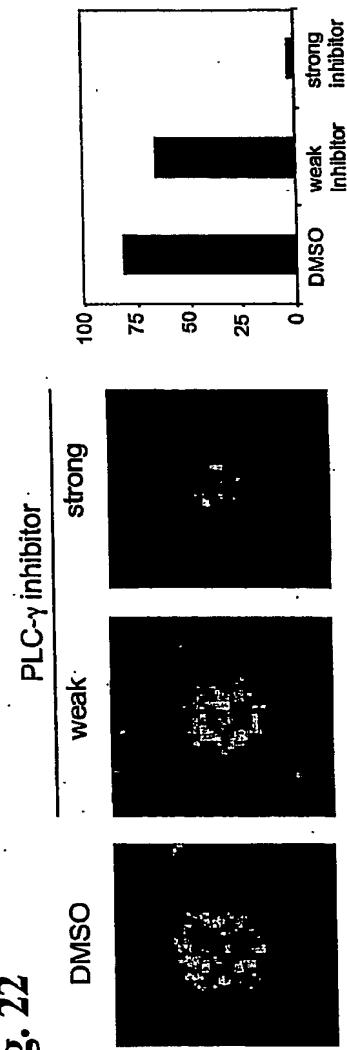
Fig. 18A**Fig. 18B****BEST AVAILABLE COPY**

Fig. 19A**Fig. 19B****Fig. 19C****BEST AVAILABLE COPY****Fig. 22**

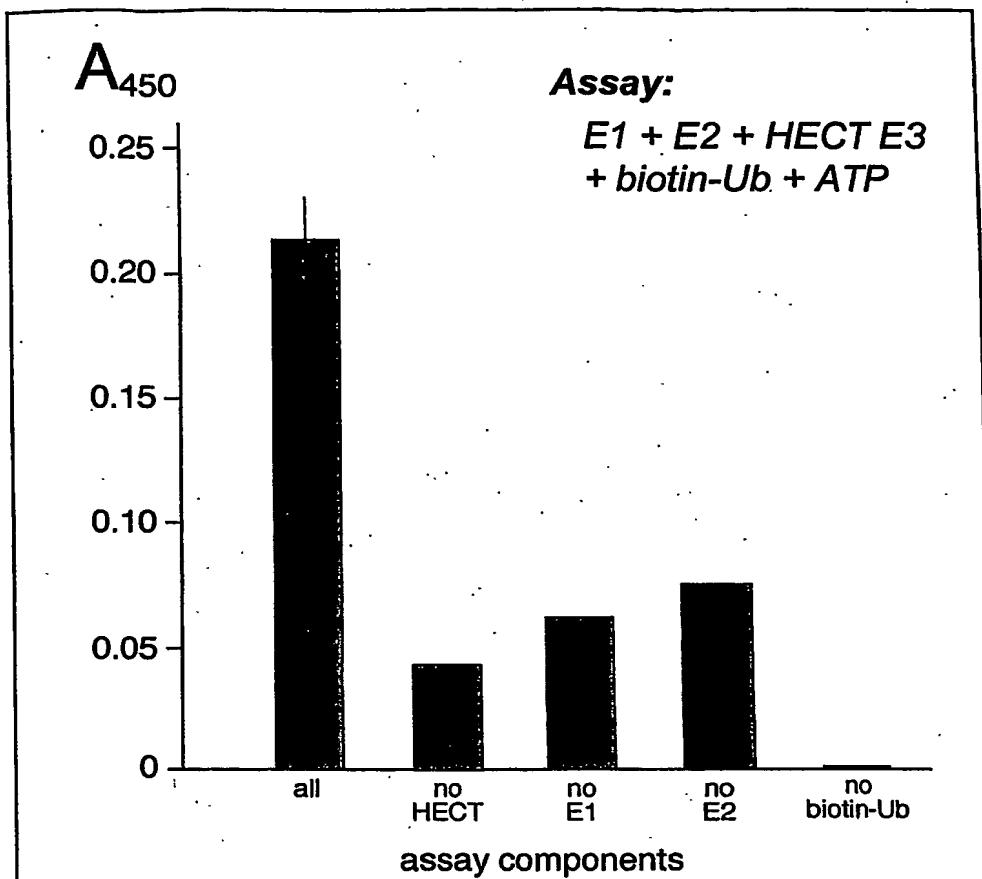
1 mavesqlkk mmskykyrdl tvretvnvit lykdlkpvl syvfndgssr elmnltgtip
61 vpyrgntyni piclwldty pynppicfvk ptssmtiktg khvdangkiy lpylhewkhp
121 qsdlgqliqv mivvfgdepp vfsrpisasy ppyqatgppn tsympgmpgg ispypsgypp
181 npsgypgcpy ppggypypatt ssqypsqqv ttvgpsrdgt isedtirasl isavsdklrw
241 rmkeemdraq aelnalkrte edlkkghqkl eemvtrldqe vaevdkniel lkkkdeelss
301 alekmenqse nndideviip taplykqiln lyaeenaietifylgealr rgvidldvfl
361 khvrllsrk fqlralmqka rktaglsdly (SEQ ID NO:19)

Fig. 20A

1 mavesqlkk mmskykyrdl tvrqtvnvia mykdlkpvl syvfndgssr elvnltgtip
61 vryrgniyni piclwldty pynppicfvk ptssmtiktg khvdangkiy lpylhdwkhp
121 rselleliqi mivifgepp vfsrptvsas yppytatgpp ntsympgmps gisaypsgyp
181 npsgypgcp yppagypypat tssqypsqqv vttvgpsrdg tisedtiras lisavsdklr
241 wrmkeemdga qaelnalkrt eedlkkghqk leemvtrldq evaevdknie lkkkdeels
301 salekmenqs enndidevii ptaplykqil nlyaeenaietifylgealr rgvidldvfl
361 lkhvrllsrk qfqlralmqk arktaglsdly y (SEQ ID NO:20)

Fig. 20B

Fig. 24



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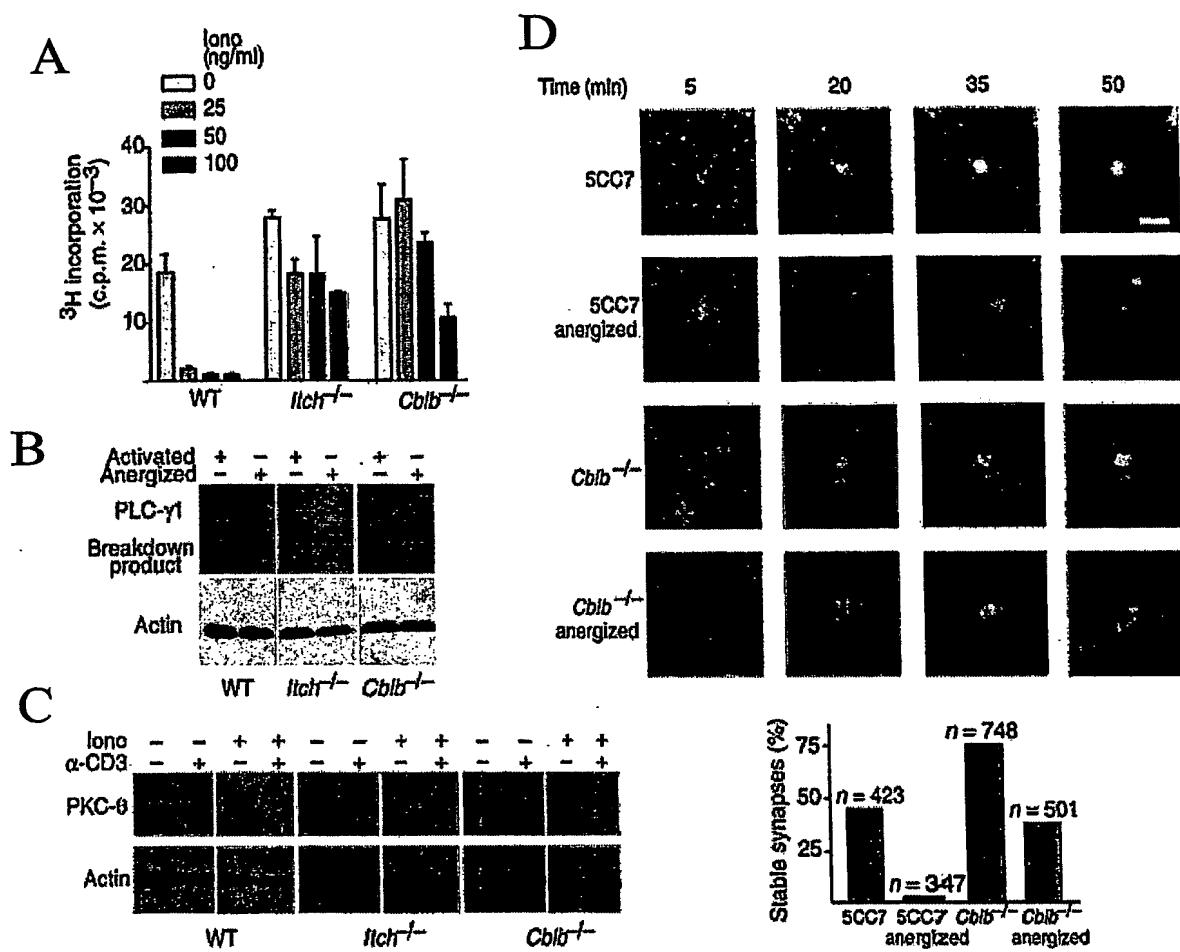


Fig. 25

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